

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	19	(Andrew near Marks.in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/04/22 16:32
L2	16	(ryanodine adj1 receptor or RyR2) and (arrythmia or atrial adj1 tachyarrythmia or atrial adj1 fibrillation)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/04/22 16:28
L3	12	(ryanodine adj1 receptor or RyR2) and "FKBP12.6"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/04/22 16:29
L4	13	jtv near "519"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/04/22 16:30

(FILE 'HOME' ENTERED AT 16:02:52 ON 22 APR 2005)

FILE 'STNGUIDE' ENTERED AT 16:02:59 ON 22 APR 2005

FILE 'MEDLINE' ENTERED AT 16:03:15 ON 22 APR 2005

L1	142 S (MARKS, A.? OR MARKS A.?)/AU
L2	3246 S RYANODINE RECEPTOR OR RYR2 AND (ATRIAL TACHYARRHYTHMIA OR CAR
L3	131 S L2 AND (FKBP12.6 OR PROTEIN KINASE A OR PKA)
L4	8 S L1 AND L3
L5	65 S L3 AND PHOSPHORYLATION
L6	11 S JTV-519

FILE 'MEDLINE' ENTERED AT 16:03:15 ON 22 APR 2005

FILE LAST UPDATED: 21 APR 2005 (20050421/UP). FILE COVERS 1950 TO DATE.

On December 19, 2004, the 2005 MeSH terms were loaded.

The MEDLINE reload for 2005 is now available. For details enter HELP
RLOAD at an arrow prompt (=>). See also:

<http://www.nlm.nih.gov/mesh/>
http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html

OLDMEDLINE now back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the
MeSH 2005 vocabulary.

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> s (Marks, A.? or Marks A.?)/au

142 MARKS, A.?/AU

142 MARKS A.?/AU

L1 142 (MARKS, A.? OR MARKS A.?)/AU

=> s ryanodine receptor or RyR2 and (atrial tachyarrhythmia or cardiac arrhythmia or atrial
fibrillation)

5640 RYANODINE

2 RYANODINES

5640 RYANODINE

(RYANODINE OR RYANODINES)

490673 RECEPTOR

528117 RECEPTORS

690681 RECEPTOR

(RECEPTOR OR RECEPTORS)

3246 RYANODINE RECEPTOR

(RYANODINE(W) RECEPTOR)

238 RYR2

81542 ATRIAL

1536 TACHYARRHYTHMIA

4029 TACHYARRHYTHMIAS

5114 TACHYARRHYTHMIA

(TACHYARRHYTHMIA OR TACHYARRHYTHMIAS)

531 ATRIAL TACHYARRHYTHMIA

(ATRIAL(W) TACHYARRHYTHMIA)

311164 CARDIAC

121 CARDIACS

311264 CARDIAC

(CARDIAC OR CARDIACS)

63369 ARRHYTHMIA

27274 ARRHYTHMIAS

74270 ARRHYTHMIA

(ARRHYTHMIA OR ARRHYTHMIAS)

7570 CARDIAC ARRHYTHMIA

(CARDIAC(W) ARRHYTHMIA)

81542 ATRIAL

38405 FIBRILLATION

346 FIBRILLATIONS

38606 FIBRILLATION

(FIBRILLATION OR FIBRILLATIONS)

21014 ATRIAL FIBRILLATION

(ATRIAL(W) FIBRILLATION)

L2 3246 RYANODINE RECEPTOR OR RYR2 AND (ATRIAL TACHYARRHYTHMIA OR CARDIA
C ARRHYTHMIA OR ATRIAL FIBRILLATION)

=> s L2 and (FKBP12.6 or protein kinase A or PKA)

502 FKBP12

1678002 6

```

72 FKBP12.6
   (FKBP12(W)6)
1385548 PROTEIN
1151738 PROTEINS
1760537 PROTEIN
   (PROTEIN OR PROTEINS)
212840 KINASE
99112 KINASES
233495 KINASE
   (KINASE OR KINASES)
8141935 A
8528 PROTEIN KINASE A
   (PROTEIN(W) KINASE(W)A)
10700 PKA
157 PKAS
10771 PKA
   (PKA OR PKAS)
L3      131 L2 AND (FKBP12.6 OR PROTEIN KINASE A OR PKA)

=> s L1 and L3
L4      8 L1 AND L3

=> s L3 and phosphorylation
114984 PHOSPHORYLATION
1163 PHOSPHORYLATIONS
115169 PHOSPHORYLATION
   (PHOSPHORYLATION OR PHOSPHORYLATIONS)
L5      65 L3 AND PHOSPHORYLATION

=> s JTV-519
37 JTV
3111 519
L6      11 JTV-519
   (JTV(W)519)

=> d L4 1-8

L4      ANSWER 1 OF 8      MEDLINE on STN
AN      2003357997      MEDLINE
DN      PubMed ID: 12824280
TI      Defects in ryanodine receptor calcium release in
skeletal muscle from post-myocardial infarct rats.
AU      Ward C W; Reiken S; Marks A R; Marty I; Vassort G; Lacampagne A
CS      Department of Biochemistry and Molecular Biology, University of Maryland
School of Medicine, Baltimore, USA.
SO      FASEB journal : official publication of the Federation of American
Societies for Experimental Biology, (2003 Aug) 17 (11) 1517-9. Electronic
Publication: 2003-06-03.
Journal code: 8804484. ISSN: 1530-6860.
CY      United States
DT      Journal; Article; (JOURNAL ARTICLE)
LA      English
FS      Priority Journals
EM      200308
ED      Entered STN: 20030801
Last Updated on STN: 20030812
Entered Medline: 20030811

L4      ANSWER 2 OF 8      MEDLINE on STN
AN      2001687905      MEDLINE
DN      PubMed ID: 11733405
TI      beta-adrenergic receptor blockers restore cardiac calcium release channel
(ryanodine receptor) structure and function in heart
failure.
AU      Reiken S; Gaburjakova M; Gaburjakova J; He Kl K L; Prieto A; Becker E; Yi
Gh G H; Wang J; Burkhoff D; Marks A R
CS      Center for Molecular Cardiology, Department of Pharmacology, Circulatory
Physiology Division, Department of Medicine, Columbia University College

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of Physicians and Surgeons, New York, NY, USA.
 SO Circulation, (2001 Dec 4) 104 (23) 2843-8.
 Journal code: 0147763. ISSN: 1524-4539.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Abridged Index Medicus Journals; Priority Journals
 EM 200201
 ED Entered STN: 20011206
 Last Updated on STN: 20020125
 Entered Medline: 20020111

L4 ANSWER 3 OF 8 MEDLINE on STN
 AN 2001671271 MEDLINE
 DN PubMed ID: 11717156
 TI Dilated cardiomyopathy and sudden death resulting from constitutive
 activation of **protein kinase a**.
 CM Comment in: Circ Res. 2001 Nov 23;89(11):938-40. PubMed ID: 11717148
 AU Antos C L; Frey N; Marx S O; Reiken S; Gaburjakova M; Richardson J A;
Marks A R; Olson E N
 CS Department of Molecular Biology, University of Texas, Southwestern Medical
 Center at Dallas, Texas, USA.
 SO Circulation research, (2001 Nov 23) 89 (11) 997-1004.
 Journal code: 0047103. ISSN: 1524-4571.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200112
 ED Entered STN: 20011122
 Last Updated on STN: 20020123
 Entered Medline: 20011207

L4 ANSWER 4 OF 8 MEDLINE on STN
 AN 2001329719 MEDLINE
 DN PubMed ID: 11397781
 TI Coupled gating between cardiac calcium release channels (**ryanodine
 receptors**).
 AU Marx S O; Gaburjakova J; Gaburjakova M; Henrikson C; Ondrias K; **Marks
 A R**
 CS Center for Molecular Cardiology, Department of Medicine, Columbia
 University College of Physicians and Surgeons, New York, NY 10032, USA.
 SO Circulation research, (2001 Jun 8) 88 (11) 1151-8.
 Journal code: 0047103. ISSN: 1524-4571.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200107
 ED Entered STN: 20010716
 Last Updated on STN: 20010716
 Entered Medline: 20010712

L4 ANSWER 5 OF 8 MEDLINE on STN
 AN 2001274362 MEDLINE
 DN PubMed ID: 11279144
 TI FKBP12 binding modulates **ryanodine receptor** channel
 gating.
 AU Gaburjakova M; Gaburjakova J; Reiken S; Huang F; Marx S O; Rosemblyt N;
Marks A R
 CS Center for Molecular Cardiology and Department of Medicine, Columbia
 University College of Physicians and Surgeons, New York, New York 10032,
 USA.
 NC RO1 AI39794 (NIAID)
 RO1 HL56180 (NHLBI)
 RO1 HL61503 (NHLBI)
 RO3 TW00949 (FIC)
 SO Journal of biological chemistry, (2001 May 18) 276 (20) 16931-5.

Electronic Publication: 2001-03-01.
Journal code: 2985121R. ISSN: 0021-9258.

CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200107
ED Entered STN: 20010709
Last Updated on STN: 20030105
Entered Medline: 20010705

L4 ANSWER 6 OF 8 MEDLINE on STN
AN 2001187255 MEDLINE
DN PubMed ID: 11273716
TI **Ryanodine receptors**/calcium release channels in heart
failure and sudden cardiac death.

AU **Marks A R**
CS Center for Molecular Cardiology, Department of Pharmacology, Columbia
University College of Physicians and Surgeons, New York, NY 10032, USA..
arm42@columbia.edu
NC RO1 AI39794 (NIAID)
RO1 HL56180 (NHLBI)
RO1 HL61503 (NHLBI)
RO3 TW00949 (FIC)

SO Journal of molecular and cellular cardiology, (2001 Apr) 33 (4) 615-24.
Ref: 90
Journal code: 0262322. ISSN: 0022-2828.

CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)

LA English
FS Priority Journals
EM 200106
ED Entered STN: 20010618
Last Updated on STN: 20010618
Entered Medline: 20010614

L4 ANSWER 7 OF 8 MEDLINE on STN
AN 2000288976 MEDLINE
DN PubMed ID: 10830164
TI **PKA** phosphorylation dissociates **FKBP12.6**
from the calcium release channel (**ryanodine receptor**):
defective regulation in failing hearts.

AU Marx S O; Reiken S; Hisamatsu Y; Jayaraman T; Burkhoff D; Rosemblyt N;
Marks A R
CS Center for Molecular Cardiology, Department of Medicine, College of
Physicians and Surgeons of Columbia University, New York, New York 10032,
USA.

NC RO1 AI39794 (NIAID)
RO1 HL56180 (NHLBI)
RO1 HL61503 (NHLBI)

+
SO Cell, (2000 May 12) 101 (4) 365-76.
Journal code: 0413066. ISSN: 0092-8674.

CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200006
ED Entered STN: 20000629
Last Updated on STN: 20000629
Entered Medline: 20000616

L4 ANSWER 8 OF 8 MEDLINE on STN
AN 96315614 MEDLINE
DN PubMed ID: 8757784
TI Cellular functions of immunophilins.

AU **Marks A R**
CS Laboratory of Molecular Cardiology, Cardiovascular Institute, Department
of Medicine, Mount Sinai School of Medicine, New York, USA.
NC R01-NS-29814 (NINDS)
SO Physiological reviews, (1996 Jul) 76 (3) 631-49. Ref: 161
Journal code: 0231714. ISSN: 0031-9333.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LA English
FS Priority Journals
EM 199609
ED Entered STN: 19961008
Last Updated on STN: 19961008
Entered Medline: 19960925

=> s L6 1-11

MISSING OPERATOR L6 1-11

The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> d L6 1-11

L6 ANSWER 1 OF 11 MEDLINE on STN
AN 2004430354 MEDLINE
DN PubMed ID: 15336601
TI Annexin V disruption impairs mechanically induced calcium signaling in
osteoblastic cells.
AU Haut Donahue T L; Genetos D C; Jacobs C R; Donahue H J; Yellowley C E
CS Department of Mechanical Engineering-Engineering Mechanics, Michigan
Technological University, Houghton, MI 49931, USA.
NC 1R01 AG22305-01 (NIA)
SO Bone, (2004 Sep) 35 (3) 656-63.
Journal code: 8504048. ISSN: 8756-3282.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200503
ED Entered STN: 20040901
Last Updated on STN: 20050323
Entered Medline: 20050322

L6 ANSWER 2 OF 11 MEDLINE on STN
AN 2003358277 MEDLINE
DN PubMed ID: 12890053
TI Antiarrhythmic effects of **JTV-519**, a novel
cardioprotective drug, on atrial fibrillation/flutter in a canine sterile
pericarditis model.
AU Kumagai Koichiro; Nakashima Hideko; Gondo Naoki; Saku Keijiro
CS Department of Cardiology, School of Medicine, Fukuoka University, Fukuoka,
Japan.. kxk@fukuoka-u.ac.jp
SO Journal of cardiovascular electrophysiology, (2003 Aug) 14 (8) 880-4.
Journal code: 9010756. ISSN: 1045-3873.
CY United States
DT (EVALUATION STUDIES)
Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200401
ED Entered STN: 20030801
Last Updated on STN: 20040131
Entered Medline: 20040130

L6 ANSWER 3 OF 11 MEDLINE on STN
AN 2002716446 MEDLINE
DN PubMed ID: 12359358

TI Reversal of P-glycoprotein mediated multidrug resistance by a newly synthesized 1,4-benzothiazipine derivative, **JTV-519**.
AU Che Xiao-Fang; Nakajima Yuichi; Sumizawa Tomoyuki; Ikeda Ryuji; Ren Xiao-Qin; Zheng Chun-Lei; Mukai Motoi; Furukawa Tatsuhiko; Haraguchi Misako; Gao Hui; Sugimoto Yoshikazu; Akiyama Shin-ichi
CS Department of Cancer Chemotherapy, Institute for Cancer Research, Faculty of Medicine, Kagoshima University, 8-35-1 Sakuragaoka, Kagoshima 890-8520, Japan.
SO Cancer letters, (2002 Dec 10) 187 (1-2) 111-9.
Journal code: 7600053. ISSN: 0304-3835.
CY Ireland
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200301
ED Entered STN: 20021218
Last Updated on STN: 20030118
Entered Medline: 20030106

L6 ANSWER 4 OF 11 MEDLINE on STN
AN 2002305652 MEDLINE
DN PubMed ID: 12047047
TI A novel cardioprotective agent, **JTV-519**, is abolished by nitric oxide synthase inhibitor on myocardial metabolism in ischemia-reperfused rabbit hearts.
AU Kawabata Hitoshi; Nakagawa Kizuku; Ishikawa Kinji
CS First Department of Internal Medicine, Kinki University School of Medicine, Osakasayama, Japan.. intl@med.kindai.ac.jp
SO Hypertension research : official journal of the Japanese Society of Hypertension, (2002 Mar) 25 (2) 303-9.
Journal code: 9307690. ISSN: 0916-9636.
CY Japan
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200211
ED Entered STN: 20020606
Last Updated on STN: 20021211
Entered Medline: 20021113

L6 ANSWER 5 OF 11 MEDLINE on STN
AN 2002030420 MEDLINE
DN PubMed ID: 11757794
TI **JTV-519** Japan Tobacco.
AU Tse H F; Lam W F
CS Queen Mary Hospital, University Department of Medicine, Pokfulam, Hong Kong.. hftse@hkucc.hku.hk
SO Current opinion in investigational drugs (London, England : 2000), (2001 Jul) 2 (7) 936-9. Ref: 33
Journal code: 100965718. ISSN: 1472-4472.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA English
FS Priority Journals
EM 200206
ED Entered STN: 20020124
Last Updated on STN: 20020623
Entered Medline: 20020621

L6 ANSWER 6 OF 11 MEDLINE on STN
AN 2001372778 MEDLINE
DN PubMed ID: 11429046
TI Reversal of cisplatin resistance by the 1,4-benzothiazepine derivative, **JTV-519**.
AU Nakamura T; Koizumi F; Kaneko N; Tamura T; Chiwaki F; Koh Y; Akutagawa S; Saijo N; Nishio K

CS Pharmacology Division, National Cancer Center Research Institute, Chuo-ku,
Tokyo 104-0045, Japan.
SO Japanese journal of cancer research : Gann, (2001 Jun) 92 (6) 597-602.
Journal code: 8509412. ISSN: 0910-5050.
CY Japan
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200108
ED Entered STN: 20010903
Last Updated on STN: 20010903
Entered Medline: 20010830

L6 ANSWER 7 OF 11 MEDLINE on STN
AN 2001096979 MEDLINE
DN PubMed ID: 11090108
TI Inhibitory effects of **JTV-519**, a novel
cardioprotective drug, on potassium currents and experimental atrial
fibrillation in guinea-pig hearts.
AU Nakaya H; Furusawa Y; Ogura T; Tamagawa M; Uemura H
CS Department of Pharmacology, Chiba University School of Medicine, Inohana
1-8-1, Chuo-ku, Chiba 260-8670, Japan.. nakaya@med.m.chiba-u.ac.jp
SO British journal of pharmacology, (2000 Dec) 131 (7) 1363-72.
Journal code: 7502536. ISSN: 0007-1188.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200102
ED Entered STN: 20010322
Last Updated on STN: 20010322
Entered Medline: 20010201

L6 ANSWER 8 OF 11 MEDLINE on STN
AN 2000507786 MEDLINE
DN PubMed ID: 11059618
TI Effect of a novel cardioprotective agent, **JTV-519**, on
metabolism, contraction and relaxation in the ischemia-reperfused rabbit
heart.
AU Kawabata H; Ryomoto T; Ishikawa K
CS First Department of Internal Medicine, Kinki University School of
Medicine, Osakasayama, Japan.
SO Japanese circulation journal, (2000 Oct) 64 (10) 772-6.
Journal code: 7806868. ISSN: 0047-1828.
CY Australia
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200103
ED Entered STN: 20010404
Last Updated on STN: 20010404
Entered Medline: 20010301

L6 ANSWER 9 OF 11 MEDLINE on STN
AN 2000497450 MEDLINE
DN PubMed ID: 10882040
TI Effects of **JTV-519**, a novel anti-ischaemic drug, on
the delayed rectifier K⁺ current in guinea-pig ventricular myocytes.
AU Kiriyama K; Kiyosue T; Wang J C; Dohi K; Arita M
CS Department of Physiology, Oita Medical University, Hasama, Japan.
SO Naunyn-Schmiedeberg's archives of pharmacology, (2000 Jun) 361 (6) 646-53.
Journal code: 0326264. ISSN: 0028-1298.
CY GERMANY: Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200010
ED Entered STN: 20001027

Last Updated on STN: 20001027
Entered Medline: 20001019

L6 ANSWER 10 OF 11 MEDLINE on STN
AN 2000324985 MEDLINE
DN PubMed ID: 10864882
TI **JTV-519**, a novel cardioprotective agent, improves the
contractile recovery after ischaemia-reperfusion in coronary perfused
guinea-pig ventricular muscles.
AU Ito K; Shigematsu S; Sato T; Abe T; Li Y; Arita M
CS Department of Physiology, Oita Medical University, 1-1 Idaigaoka, Hasama,
Oita 879-5593, Japan.
SO British journal of pharmacology, (2000 Jun) 130 (4) 767-76.
Journal code: 7502536. ISSN: 0007-1188.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200008
ED Entered STN: 20000811
Last Updated on STN: 20000811
Entered Medline: 20000802

L6 ANSWER 11 OF 11 MEDLINE on STN
AN 1999245885 MEDLINE
DN PubMed ID: 10230854
TI Effects of a novel cardioprotective drug, **JTV-519**, on
membrane currents of guinea pig ventricular myocytes.
AU Kimura J; Kawahara M; Sakai E; Yatabe J; Nakanishi H
CS Department of Pharmacology, School of Medicine, Fukushima Medical
University, Japan.
SO Japanese journal of pharmacology, (1999 Mar) 79 (3) 275-81.
Journal code: 2983305R. ISSN: 0021-5198.
CY Japan
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199906
ED Entered STN: 19990628
Last Updated on STN: 19990628
Entered Medline: 19990611

=> d L5 1-65

L5 ANSWER 1 OF 65 MEDLINE on STN
AN 2005205826 IN-PROCESS
DN PubMed ID: 15754088
TI Sorcin interacts with sarcoplasmic reticulum Ca²⁺-ATPase and modulates
excitation-contraction coupling in the heart.
AU Matsumoto T; Hisamatsu Y; Ohkusa T; Inoue N; Sato T; Suzuki S; Ikeda Y;
Matsuzaki M
CS Division of Cardiovascular Medicine, Department of Medical Bioregulation,
Yamaguchi University Graduate, School of Medicine, 1-1-1 Minami-kogushi,
Ube Yamaguchi 755-8505, Japan,. d004rn@yamaguchi-u.ac.jp
SO Basic research in cardiology, (2005 May) 100 (3) 250-62. Electronic
Publication: 2005-03-09.
Journal code: 0360342. ISSN: 0300-8428.
CY Germany: Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS NONMEDLINE; IN-DATA-REVIEW; IN-PROCESS; NONINDEXED; Priority Journals
ED Entered STN: 20050421
Last Updated on STN: 20050421

L5 ANSWER 2 OF 65 MEDLINE on STN
AN 2005103931 MEDLINE
DN PubMed ID: 15734609

TI Left ventricular assist device support normalizes left and right
 ventricular beta-adrenergic pathway properties.
 AU Klotz Stefan; Barbone Alessandro; Reiken Steven; Holmes Jeffrey W; Naka
 Yoshifumi; Oz Mehmet C; Marks Andrew R; Burkhoff Daniel
 CS Department of Medicine, College of Physicians and Surgeons, Columbia
 University, New York, New York, USA.
 NC P01-HL67849 (NHLBI)
 R01-HL56180 (NHLBI)
 R01-HL61503 (NHLBI)
 SO Journal of the American College of Cardiology, (2005 Mar 1) 45 (5) 668-76.
 Journal code: 8301365. ISSN: 0735-1097.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Abridged Index Medicus Journals; Priority Journals
 EM 200503
 ED Entered STN: 20050301
 Last Updated on STN: 20050401
 Entered Medline: 20050331

L5 ANSWER 3 OF 65 MEDLINE on STN
 AN 2005080783 IN-PROCESS
 DN PubMed ID: 15709953
 TI Intracellular calcium release and cardiac disease.
 AU Wehrens Xander H T; Lehnart Stephan E; Marks Andrew R
 CS Department of Physiology and Cellular Biophysics, Center for Molecular
 Cardiology, Department of Medicine, Columbia University College of
 Physicians and Surgeons, New York 10032; email: xw80@columbia.edu ,
 sel2004@columbia.edu , . arm42@columbia.edu
 SO Annual review of physiology, (2005) 67 69-98.
 Journal code: 0370600. ISSN: 0066-4278.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS NONMEDLINE; IN-DATA-REVIEW; IN-PROCESS; NONINDEXED; Priority Journals
 ED Entered STN: 20050216
 Last Updated on STN: 20050216

L5 ANSWER 4 OF 65 MEDLINE on STN
 AN 2005080581 IN-PROCESS
 DN PubMed ID: 15709678
 TI **Phosphorylation of ryanodine receptors.**
 AU Danila Cristina I; Hamilton Susan L
 CS Department of Molecular Physiology and Biophysics, Baylor College of
 Medicine, Houston, TX 77030, USA.
 SO Biological research, (2004) 37 (4) 521-5.
 Journal code: 9308271. ISSN: 0716-9760.
 CY Chile
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS NONMEDLINE; IN-PROCESS; NONINDEXED; Priority Journals
 ED Entered STN: 20050216
 Last Updated on STN: 20050216

L5 ANSWER 5 OF 65 MEDLINE on STN
 AN 2004505092 MEDLINE
 DN PubMed ID: 15242835
 TI Adenylyl cyclase type VI corrects cardiac sarcoplasmic reticulum calcium
 uptake defects in cardiomyopathy.
 AU Tang Tong; Gao Mei Hua; Roth David M; Guo Tracy; Hammond H Kirk
 CS Department of Medicine, 111A, VA San Diego Healthcare System, 3350 La
 Jolla Village Dr., San Diego, CA 92161, USA.
 NC 1P01-HL-669411 (NHLBI)
 SO American journal of physiology. Heart and circulatory physiology, (2004
 Nov) 287 (5) H1906-12. Electronic Publication: 2004-07-08.
 Journal code: 100901228. ISSN: 0363-6135.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)

LA English
 FS Priority Journals
 EM 200411
 ED Entered STN: 20041013
 Last Updated on STN: 20041219
 Entered Medline: 20041124

L5 ANSWER 6 OF 65 MEDLINE on STN
 AN 2004452781 MEDLINE
 DN PubMed ID: 15262999
 TI cAMP potentiates ATP-evoked calcium signaling in human parotid acinar cells.
 AU Brown David A; Bruce Jason I E; Straub Stephen V; Yule David I
 CS Department of Pharmacology & Physiology, School of Medicine and Dentistry, University of Rochester Medical Center, Rochester, New York 14642, USA.
 NC P01-DE13539 (NIDCR)
 R01-DE14756 (NIDCR)
 R01-DK-54568 (NIDDK)
 T32-DE-07202 (NIDCR)
 SO Journal of biological chemistry, (2004 Sep 17) 279 (38) 39485-94.
 Electronic Publication: 2004-07-19.
 Journal code: 2985121R. ISSN: 0021-9258.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200410
 ED Entered STN: 20040914
 Last Updated on STN: 20041026
 Entered Medline: 20041025

L5 ANSWER 7 OF 65 MEDLINE on STN
 AN 2004430265 MEDLINE
 DN PubMed ID: 15336974
 TI Calstabin deficiency, **ryanodine receptors**, and sudden cardiac death.
 AU Lehnart Stephan E; Wehrens Xander H T; Marks Andrew R
 CS Department of Physiology and Cellular Biophysics, Center for Molecular Cardiology, Columbia University College of Physicians and Surgeons, 630W 168th Street, P&S 9-401, New York, NY 10032, USA.. sel2004@columbia.edu
 SO Biochemical and biophysical research communications, (2004 Oct 1) 322 (4) 1267-79. Ref: 185
 Journal code: 0372516. ISSN: 0006-291X.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, TUTORIAL)
 LA English
 FS Priority Journals
 EM 200411
 ED Entered STN: 20040901
 Last Updated on STN: 20041219
 Entered Medline: 20041123

L5 ANSWER 8 OF 65 MEDLINE on STN
 AN 2004349666 MEDLINE
 DN PubMed ID: 15201156
 TI Cardiac **ryanodine receptor** function and regulation in heart disease.
 AU Lehnart Stephan E; Wehrens Xander H T; Kushnir Alexander; Marks Andrew R
 CS Center for Molecular Cardiology, Department of Physiology and Cellular Biophysics, Columbia University, College of Physicians and Surgeons, New York, NY 10032, USA.
 SO Annals of the New York Academy of Sciences, (2004 May) 1015 144-59. Ref: 91
 Journal code: 7506858. ISSN: 0077-8923.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)

General Review; (REVIEW)
 LA English
 FS Priority Journals
 EM 200407
 ED Entered STN: 20040716
 Last Updated on STN: 20040729
 Entered Medline: 20040728

L5 ANSWER 9 OF 65 MEDLINE on STN
 AN 2004323932 MEDLINE
 DN PubMed ID: 15197150
 TI Sudden death in familial polymorphic ventricular tachycardia associated with calcium release channel (**ryanodine receptor**) leak.
 AU Lehnart Stephan E; Wehrens Xander H T; Laitinen Paivi J; Reiken Steven R; Deng Shi-Xiang; Cheng Zhenzhuang; Landry Donald W; Kontula Kimmo; Swan Heikki; Marks Andrew R
 CS Center for Molecular Cardiology, Department of Physiology and Cellular Biophysics, Columbia University College of Physicians and Surgeons, 630 W. 168th St, P&S 9-401, Box 65, New York, NY 10032, USA.
 SO Circulation, (2004 Jun 29) 109 (25) 3208-14. Electronic Publication: 2004-06-14.
 Journal code: 0147763. ISSN: 1524-4539.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Abridged Index Medicus Journals; Priority Journals
 EM 200501
 ED Entered STN: 20040701
 Last Updated on STN: 20050104
 Entered Medline: 20050103

L5 ANSWER 10 OF 65 MEDLINE on STN
 AN 2004314322 MEDLINE
 DN PubMed ID: 15176427
 TI Molecular determinants of altered contractility in heart failure.
 AU Wehrens Xander H T; Marks Andrew R
 CS Center for Molecular Cardiology, Department of Physiology and Cellular Biophysics, Columbia University College of Physicians and Surgeons, 630W 168th Street, P&S 9-401, Box 65, New York, NY 10032, USA.
 SO Annals of medicine, (2004) 36 Suppl 1 70-80. Ref: 112
 Journal code: 8906388. ISSN: 0785-3890.
 CY Sweden
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, TUTORIAL)
 LA English
 FS Priority Journals
 EM 200410
 ED Entered STN: 20040626
 Last Updated on STN: 20041009
 Entered Medline: 20041008

L5 ANSWER 11 OF 65 MEDLINE on STN
 AN 2004270422 MEDLINE
 DN PubMed ID: 15169625
 TI Dispersion of ventricular mRNA of RyR2 and SERCA2 associated with arrhythmogenesis in rats.
 AU Wang Hong-Lan; Dai De-Zai; Gao Eeng; Zhang Yan-Pin; Lu Feng
 CS Research Division of Pharmacology, China Pharmaceutical University, Nanjing 210009, China.
 SO Acta pharmacologica Sinica, (2004 Jun) 25 (6) 738-43.
 Journal code: 100956087. ISSN: 1671-4083.
 CY China
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200408

ED Entered STN: 20040602
 Last Updated on STN: 20040811
 Entered Medline: 20040810

L5 ANSWER 12 OF 65 MEDLINE on STN
 AN 2004244807 MEDLINE
 DN PubMed ID: 15142747
 TI Mechanistic systems models of cell signaling networks: a case study of myocyte adrenergic regulation.
 AU Saucerman Jeffrey J; McCulloch Andrew D
 CS Department of Bioengineering, University of California, San Diego, 9500 Gilman Dr., La Jolla, CA 92093-0412, USA.
 NC CA00261 (NCI)
 P41 RR08605 (NCRR)
 SO Progress in biophysics and molecular biology, (2004 Jun-Jul) 85 (2-3) 261-78.
 Journal code: 0401233. ISSN: 0079-6107.
 CY England: United Kingdom
 DT (EVALUATION STUDIES)
 Journal; Article; (JOURNAL ARTICLE)
 (VALIDATION STUDIES)
 LA English
 FS Priority Journals
 EM 200407
 ED Entered STN: 20040515
 Last Updated on STN: 20040717
 Entered Medline: 20040716

L5 ANSWER 13 OF 65 MEDLINE on STN
 AN 2004189086 MEDLINE
 DN PubMed ID: 14724205
 TI Modulation of excitation-contraction coupling by isoproterenol in cardiomyocytes with controlled SR Ca²⁺ load and Ca²⁺ current trigger.
 AU Ginsburg Kenneth S; Bers Donald M
 CS Department of Physiology, Loyola University Chicago, Stritch School of Medicine, Maywood, IL 60153, USA.
 NC HL-30077 (NHLBI)
 HL-64098 (NHLBI)
 SO Journal of physiology, (2004 Apr 15) 556 (Pt 2) 463-80. Electronic Publication: 2004-01-14.
 Journal code: 0266262. ISSN: 0022-3751.
 CY England: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200411
 ED Entered STN: 20040416
 Last Updated on STN: 20041110
 Entered Medline: 20041109

L5 ANSWER 14 OF 65 MEDLINE on STN
 AN 2004179165 MEDLINE
 DN PubMed ID: 15073377
 TI Protection from **cardiac arrhythmia** through **ryanodine receptor**-stabilizing protein calstabin2.
 AU Wehrens Xander H T; Lehnart Stephan E; Reiken Steven R; Deng Shi-Xian; Vest John A; Cervantes Daniel; Coromilas James; Landry Donald W; Marks Andrew R
 CS Department of Physiology and Cellular Biophysics, Columbia University College of Physicians and Surgeons, New York, NY 10032, USA.
 SO Science, (2004 Apr 9) 304 (5668) 292-6.
 Journal code: 0404511. ISSN: 1095-9203.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200405
 ED Entered STN: 20040410

Last Updated on STN: 20040505
Entered Medline: 20040503

L5 ANSWER 15 OF 65 MEDLINE on STN
AN 2004165944 MEDLINE
DN PubMed ID: 15016728
TI Ca²⁺/calmodulin-dependent protein kinase II **phosphorylation**
regulates the cardiac **ryanodine receptor**.
AU Wehrens Xander H T; Lehnart Stephan E; Reiken Steven R; Marks Andrew R
CS Department of Physiology and Cellular Biophysics, Columbia University
College of Physicians and Surgeons, 630 W 168th St, P&S 9-401, Box 65, New
York, NY 10032, USA.
SO Circulation research, (2004 Apr 2) 94 (6) e61-70. Electronic Publication:
2004-03-11.
Journal code: 0047103. ISSN: 1524-4571.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200407
ED Entered STN: 20040403
Last Updated on STN: 20040717
Entered Medline: 20040716

L5 ANSWER 16 OF 65 MEDLINE on STN
AN 2004110961 MEDLINE
DN PubMed ID: 14715536
TI **Protein kinase A phosphorylation**
at serine-2808 of the cardiac Ca²⁺-release channel (**ryanodine**
receptor) does not dissociate 12.6-kDa FK506-binding protein (**FKBP12.6**).
AU Xiao Bailong; Sutherland Cindy; Walsh Michael P; Chen S R Wayne
CS Cardiovascular Research Group, Department of Biochemistry and Molecular
Biology, University of Calgary, Alberta, Canada.
SO Circulation research, (2004 Mar 5) 94 (4) 487-95. Electronic Publication:
2004-01-08.
Journal code: 0047103. ISSN: 1524-4571.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200405
ED Entered STN: 20040306
Last Updated on STN: 20040522
Entered Medline: 20040521

L5 ANSWER 17 OF 65 MEDLINE on STN
AN 2004090864 MEDLINE
DN PubMed ID: 14757694
TI Valsartan restores sarcoplasmic reticulum function with no appreciable
effect on resting cardiac function in pacing-induced heart failure.
AU Okuda Shinichi; Yano Masafumi; Doi Masahiro; Oda Tetsuro; Tokuhisa
Takahiro; Kohno Masateru; Kobayashi Shigeki; Yamamoto Takeshi; Ohkusa
Tomoko; Matsuzaki Masunori
CS Department of Medical Bioregulation, Division of Cardiovascular Medicine,
Yamaguchi University School of Medicine, Ube, Yamaguchi, Japan.
SO Circulation, (2004 Feb 24) 109 (7) 911-9. Electronic Publication:
2004-02-02.
Journal code: 0147763. ISSN: 1524-4539.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 200406
ED Entered STN: 20040225
Last Updated on STN: 20040602
Entered Medline: 20040601

L5 ANSWER 18 OF 65 MEDLINE on STN
AN 2003580523 MEDLINE
DN PubMed ID: 14659699
TI Altered function and regulation of cardiac **ryanodine receptors** in cardiac disease.
AU Wehrens Xander H T; Marks Andrew R
CS Center for Molecular Cardiology, Departments of Physiology and Cellular Biophysics and Medicine, Columbia University College of Physicians and Surgeons, 630W 168th Street, P&S 9-401, Box 65, New York, NY 10032, USA.
SO Trends in biochemical sciences, (2003 Dec) 28 (12) 671-8. Ref: 75
Journal code: 7610674. ISSN: 0968-0004.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA English
FS Priority Journals
EM 200401
ED Entered STN: 20031216
Last Updated on STN: 20040129
Entered Medline: 20040128

L5 ANSWER 19 OF 65 MEDLINE on STN
AN 2003454300 MEDLINE
DN PubMed ID: 14514795
TI Stoichiometric **phosphorylation** of cardiac **ryanodine receptor** on serine 2809 by calmodulin-dependent kinase II and **protein kinase A**.
AU Rodriguez Patricia; Bhogal Moninder S; Colyer John
CS School of Biochemistry and Molecular Biology, University of Leeds, Leeds LS2 9JT, United Kingdom.
SO Journal of biological chemistry, (2003 Oct 3) 278 (40) 38593-600.
Journal code: 2985121R. ISSN: 0021-9258.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200311
ED Entered STN: 20030930
Last Updated on STN: 20031107
Entered Medline: 20031106

L5 ANSWER 20 OF 65 MEDLINE on STN
AN 2003339023 MEDLINE
DN PubMed ID: 12871170
TI Immunophilins and coupled gating of **ryanodine receptors**
AU Lehnart Stephan E; Huang Fannie; Marx Steven O; Marks Andrew R
CS Center for Molecular Cardiology, Columbia University College of Physicians and Surgeons, 630 West 168th Street, New York, N.Y. 10032, USA.
SO Current topics in medicinal chemistry, (2003) 3 (12) 1383-91. Ref: 73
Journal code: 101119673. ISSN: 1568-0266.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA English
FS Priority Journals
EM 200310
ED Entered STN: 20030722
Last Updated on STN: 20031009
Entered Medline: 20031008

L5 ANSWER 21 OF 65 MEDLINE on STN
AN 2003316363 MEDLINE
DN PubMed ID: 12709444
TI Targeting of **protein kinase A** by muscle A kinase-anchoring protein (mAAP) regulates **phosphorylation** and

function of the skeletal muscle **ryanodine receptor**.

AU Ruehr Mary L; Russell Mary A; Ferguson Donald G; Bhat Manju; Ma Jianjie;
Damron Derek S; Scott John D; Bond Meredith

CS Department of Molecular Cardiology, Lerner Research Institute, Cleveland,
Ohio 44195, USA.

NC AG15556 (NIA)
AG16613 (NIA)
DK54441 (NIDDK)
HL065701 (NHLBI)
HL10273 (NHLBI)
HL56256 (NHLBI)
HL69000 (NHLBI)

SO Journal of biological chemistry, (2003 Jul 4) 278 (27) 24831-6.
Electronic Publication: 2003-04-21.
Journal code: 2985121R. ISSN: 0021-9258.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200308

ED Entered STN: 20030709
Last Updated on STN: 20030819
Entered Medline: 20030818

L5 ANSWER 22 OF 65 MEDLINE on STN

AN 2003313515 MEDLINE

DN PubMed ID: 12686515

TI Intracellular Cs+ activates the **PKA** pathway, revealing a fast,
reversible, Ca2+-dependent inactivation of L-type Ca2+ current.

AU Brette Fabien; Lacampagne Alain; Salle Laurent; Findlay Ian; Le Guennec
Jean-Yves

CS Centre National de la Recherche Scientifique Unite Mixte de Recherche
6542, Universite de Tours, France.. bmsfph@bms.leeds.ac.uk

SO American journal of physiology. Cell physiology, (2003 Aug) 285 (2)
C310-8. Electronic Publication: 2003-04-09.
Journal code: 100901225. ISSN: 0363-6143.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200309

ED Entered STN: 20030708
Last Updated on STN: 20030906
Entered Medline: 20030905

L5 ANSWER 23 OF 65 MEDLINE on STN

AN 2003309361 MEDLINE

DN PubMed ID: 12837242

TI **FKBP12.6** deficiency and defective calcium release
channel (**ryanodine receptor**) function linked to
exercise-induced sudden cardiac death.

AU Wehrens Xander H T; Lehnart Stephan E; Huang Fannie; Vest John A; Reiken
Steven R; Mohler Peter J; Sun Jie; Guatimosim Silvia; Song Long Sheng;
Rosemblyt Nora; D'Armiento Jeanine M; Napolitano Carlo; Memmi Mirella;
Priori Silvia G; Lederer W J; Marks Andrew R

CS Department of Physiology and Cellular Biophysics, Center for Molecular
Cardiology, Columbia University College of Physicians and Surgeons, New
York, NY 10032, USA.

SO Cell, (2003 Jun 27) 113 (7) 829-40.
Journal code: 0413066. ISSN: 0092-8674.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200308

ED Entered STN: 20030703
Last Updated on STN: 20030814
Entered Medline: 20030813

L5 ANSWER 24 OF 65 MEDLINE on STN
AN 2003233708 MEDLINE
DN PubMed ID: 12743001
TI Beta-blockers restore calcium release channel function and improve cardiac muscle performance in human heart failure.
CM Comment in: Circulation. 2003 May 20;107(19):2395-7. PubMed ID: 12756189
AU Reiken Steven; Wehrens Xander H T; Vest John A; Barbone Alessandro; Klotz Stefan; Mancini Donna; Burkhoff Daniel; Marks Andrew R
CS Center for Molecular Cardiology, Columbia University College of Physicians and Surgeons, New York, NY 10032, USA.
SO Circulation, (2003 May 20) 107 (19) 2459-66. Electronic Publication: 2003-05-12.
Journal code: 0147763. ISSN: 1524-4539.
CY United States
DT (CLINICAL TRIAL)
Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 200305
ED Entered STN: 20030521
Last Updated on STN: 20030524
Entered Medline: 20030523

L5 ANSWER 25 OF 65 MEDLINE on STN
AN 2003210158 MEDLINE
DN PubMed ID: 12676814
TI The deltaC isoform of CaMKII is activated in cardiac hypertrophy and induces dilated cardiomyopathy and heart failure.
AU Zhang Tong; Maier Lars S; Dalton Nancy D; Miyamoto Shigeki; Ross John Jr; Bers Donald M; Brown Joan Heller
CS Department of Pharmacology, University of California, San Diego, 9500 Gilman Dr, La Jolla, Calif 92093-0636, USA.
NC HL-28143 (NHLBI)
HL-30077 (NHLBI)
HL-46345 (NHLBI)
HL-64724 (NHLBI)
SO Circulation research, (2003 May 2) 92 (8) 912-9. Electronic Publication: 2003-04-03.
Journal code: 0047103. ISSN: 1524-4571.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals; Space Life Sciences
EM 200305
ED Entered STN: 20030507
Last Updated on STN: 20030531
Entered Medline: 20030530

L5 ANSWER 26 OF 65 MEDLINE on STN
AN 2003128094 MEDLINE
DN PubMed ID: 12629052
TI **PKA phosphorylation** activates the calcium release channel (**ryanodine receptor**) in skeletal muscle: defective regulation in heart failure.
AU Reiken Steven; Lacampagne Alain; Zhou Hua; Kherani Aftab; Lehnart Stephan E; Ward Chris; Huang Fannie; Gaburjakova Marta; Gaburjakova Jana; Rosembliit Nora; Warren Michelle S; He Kun-Lun; Yi Geng-Hua; Wang Jie; Burkhoff Daniel; Vassort Guy; Marks Andrew R
CS Center for Molecular Cardiology, Box 65, Columbia University College of Physicians and Surgeons, Room 9-401, 630 West 168th Street, New York, NY 10032, USA.
SO Journal of cell biology, (2003 Mar 17) 160 (6) 919-28. Electronic Publication: 2003-03-10.
Journal code: 0375356. ISSN: 0021-9525.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English

FS Priority Journals
EM 200305
ED Entered STN: 20030319
Last Updated on STN: 20030517
Entered Medline: 20030516

L5 ANSWER 27 OF 65 MEDLINE on STN
AN 2003043420 MEDLINE
DN PubMed ID: 12410638
TI Glucagon-like peptide-1 mobilizes intracellular Ca²⁺ and stimulates mitochondrial ATP synthesis in pancreatic MIN6 beta-cells.
AU Tsuboi Takashi; da Silva Xavier Gabriela; Holz George G; Jouaville Laurence S; Thomas Andrew P; Rutter Guy A
CS Henry Wellcome Laboratories for Integrated Cell Signalling, Department of Biochemistry, School of Medical Sciences, University of Bristol, University Walk, Bristol BS8 1TD, U.K.
SO Biochemical journal, (2003 Jan 15) 369 (Pt 2) 287-99.
Journal code: 2984726R. ISSN: 0264-6021.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200302
ED Entered STN: 20030130
Last Updated on STN: 20030222
Entered Medline: 20030221

L5 ANSWER 28 OF 65 MEDLINE on STN
AN 2003042489 MEDLINE
DN PubMed ID: 12551874
TI **FKBP12.6**-mediated stabilization of calcium-release channel (**ryanodine receptor**) as a novel therapeutic strategy against heart failure.
CM Comment in: Circulation. 2003 Jan 28;107(3):378-80. PubMed ID: 12551857
AU Yano Masafumi; Kobayashi Shigeki; Kohno Masateru; Doi Masahiro; Tokuhisa Takahiro; Okuda Shinichi; Suetsugu Masae; Hisaoka Takayuki; Obayashi Masakazu; Ohkusa Tomoko; Kohno Michihiro; Matsuzaki Masunori
CS Department of Medical Bioregulation, Division of Cardiovascular Medicine, Yamaguchi University School of Medicine, Ube, Yamaguchi, Japan..
yanoma@po.cc.yamaguchi-u.ac.jp
SO Circulation, (2003 Jan 28) 107 (3) 477-84.
Journal code: 0147763. ISSN: 1524-4539.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 200302
ED Entered STN: 20030129
Last Updated on STN: 20030206
Entered Medline: 20030205

L5 ANSWER 29 OF 65 MEDLINE on STN
AN 2003008687 MEDLINE
DN PubMed ID: 12401811
TI **Protein kinase A phosphorylation** of the cardiac calcium release channel (**ryanodine receptor**) in normal and failing hearts. Role of phosphatases and response to isoproterenol.
AU Reiken Steven; Gaburjakova Marta; Guatimosim Silvia; Gomez Ana M; D'Armiento Jeanine; Burkhoff Daniel; Wang Jie; Vassort Guy; Lederer W Jonathan; Marks Andrew R
CS Center for Molecular Cardiology, Columbia University College of Physicians and Surgeons, New York, New York 10032, USA.
SO Journal of biological chemistry, (2003 Jan 3) 278 (1) 444-53. Electronic Publication: 2002-10-24.
Journal code: 2985121R. ISSN: 0021-9258.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)

LA English
FS Priority Journals
EM 200302
ED Entered STN: 20030108
Last Updated on STN: 20030211
Entered Medline: 20030210

L5 ANSWER 30 OF 65 MEDLINE on STN
AN 2002716901 MEDLINE
DN PubMed ID: 12479234
TI Regulation of the **ryanodine receptor** in heart failure.
AU Marx Steven O; Marks Andrew R
CS Center for Molecular Cardiology, Division of Cardiology, Department of
Medicine, Columbia University College of Physicians and Surgeons, Rm
9-401, 630 West 168th Street, New York, NY 10032, USA.
SO Basic research in cardiology, (2002) 97 Suppl 1 149-51. Ref: 26
Journal code: 0360342. ISSN: 0300-8428.
CY Germany: Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA English
FS Priority Journals
EM 200212
ED Entered STN: 20021218
Last Updated on STN: 20021228
Entered Medline: 20021227

L5 ANSWER 31 OF 65 MEDLINE on STN
AN 2002695781 MEDLINE
DN PubMed ID: 12456487
TI Abnormal Ca²⁺ release, but normal **ryanodine receptors**,
in canine and human heart failure.
CM Comment in: Circ Res. 2002 Nov 29;91(11):979-81. PubMed ID: 12456481
AU Jiang Ming Tao; Lokuta Andrew J; Farrell Emily F; Wolff Matthew R; Haworth
Robert A; Valdivia Hector H
CS Department of Physiology, University of Wisconsin Medical School, Madison,
Wis 53706, USA.
NC HL-55438 (NHLBI)
HL-61534 (NHLBI)
P01-HL47053 (NHLBI)
SO Circulation research, (2002 Nov 29) 91 (11) 1015-22.
Journal code: 0047103. ISSN: 1524-4571.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200212
ED Entered STN: 20021217
Last Updated on STN: 20021217
Entered Medline: 20021209

L5 ANSWER 32 OF 65 MEDLINE on STN
AN 2002678235 MEDLINE
DN PubMed ID: 12438018
TI Regulation of mammalian **ryanodine receptors**.
AU Meissner Gerhard
CS Department of Biochemistry and Biophysics, University of North Carolina,
Chapel Hill, NC 27599-7260, USA.. meissner@med.unc.edu
NC AR 18687 (NIAMS)
HL 27430 (NHLBI)
SO Frontiers in bioscience : a journal and virtual library, (2002 Nov 1) 7
d2072-80. Electronic Publication: 2002-11-01. Ref: 87
Journal code: 9709506. ISSN: 1093-4715.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)

LA English
 FS Priority Journals
 EM 200211
 ED Entered STN: 20021120
 Last Updated on STN: 20021214
 Entered Medline: 20021127

L5 ANSWER 33 OF 65 MEDLINE on STN
 AN 2002448215 MEDLINE
 DN PubMed ID: 12205148
 TI **Ryanodine receptors** contribute to cGMP-induced late-phase LTP and CREB **phosphorylation** in the hippocampus.
 AU Lu Yun-Fei; Hawkins Robert D
 CS Center for Neurobiology and Behavior, College of Physicians and Surgeons, Columbia University, New York, New York 10032, USA.
 NC MH-50733 (NIMH)
 SO Journal of neurophysiology, (2002 Sep) 88 (3) 1270-8.
 Journal code: 0375404. ISSN: 0022-3077.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200210
 ED Entered STN: 20020904
 Last Updated on STN: 20021024
 Entered Medline: 20021023

L5 ANSWER 34 OF 65 MEDLINE on STN
 AN 2002327814 MEDLINE
 DN PubMed ID: 12069756
 TI Regulation of **ryanodine receptors** via macromolecular complexes: a novel role for leucine/isoleucine zippers.
 AU Marks Andrew R; Marx Steven O; Reiken Steven
 CS Department of Medicine, Columbia University College of Physicians and Surgeons, Center for Molecular Cardiology, New York 10032, USA..
 arm42@columbia.edu
 SO Trends in cardiovascular medicine, (2002 May) 12 (4) 166-70. Ref: 39
 Journal code: 9108337. ISSN: 1050-1738.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, TUTORIAL)
 LA English
 FS Priority Journals
 EM 200208
 ED Entered STN: 20020619
 Last Updated on STN: 20020816
 Entered Medline: 20020815

L5 ANSWER 35 OF 65 MEDLINE on STN
 AN 2002239135 MEDLINE
 DN PubMed ID: 11976933
 TI Gating kinetics and ligand sensitivity modified by **phosphorylation** of cardiac **ryanodine receptors**.
 AU Uehara Akira; Yasukochi Midori; Mejia-Alvarez Rafael; Fill Michael; Imanaga Issei
 CS Department of Physiology, School of Medicine, Fukuoka University, Jonan-ku, 814-0180, Japan.. Ueharaak@fukuoka-u.ac.jp
 NC R01-HL57832 (NHLBI)
 SO Pflugers Archiv : European journal of physiology, (2002 May) 444 (1-2) 202-12. Electronic Publication: 2002-02-14.
 Journal code: 0154720. ISSN: 0031-6768.
 CY Germany: Germany, Federal Republic of
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200211
 ED Entered STN: 20020429

Last Updated on STN: 20030105
Entered Medline: 20021104

L5 ANSWER 36 OF 65 MEDLINE on STN
AN 2002169037 MEDLINE
DN PubMed ID: 11901051
TI Propranolol prevents the development of heart failure by restoring
**FKBP12.6-mediated stabilization of ryanodine
receptor.**
AU Doi Masahiro; Yano Masafumi; Kobayashi Shigeki; Kohno Masateru; Tokuhisa
Takahiro; Okuda Shinichi; Suetsugu Masae; Hisamatsu Yuhji; Ohkusa Tomoko;
Kohno Michihiro; Matsuzaki Masunori
CS Department of Medical Bioregulation, Division of Cardiovascular Medicine,
Yamaguchi University School of Medicine, Yamaguchi, Japan.
SO Circulation, (2002 Mar 19) 105 (11) 1374-9.
Journal code: 0147763. ISSN: 1524-4539.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 200203
ED Entered STN: 20020320
Last Updated on STN: 20020403
Entered Medline: 20020328

L5 ANSWER 37 OF 65 MEDLINE on STN
AN 2002165484 MEDLINE
DN PubMed ID: 11897558
TI **Ryanodine receptors**, FKBP12, and heart failure.
AU Marks Andrew R
CS Center for Molecular Cardiology, Department of Medicine, Columbia
University College of Physicians and Surgeons, New York, NY 10032, USA..
arm42@columbia.edu
SO Frontiers in bioscience : a journal and virtual library, (2002 Apr 1) 7
d970-7. Electronic Publication: 2002-04-01. Ref: 71
Journal code: 9709506. ISSN: 1093-4715.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA English
FS Priority Journals
EM 200204
ED Entered STN: 20020319
Last Updated on STN: 20020416
Entered Medline: 20020415

L5 ANSWER 38 OF 65 MEDLINE on STN
AN 2002128281 MEDLINE
DN PubMed ID: 11861420
TI **Protein kinase A phosphorylation**
of the **ryanodine receptor** does not affect calcium
sparks in mouse ventricular myocytes.
AU Li Yanxia; Kranias Evangelia G; Mignery Gregory A; Bers Donald M
CS Department of Physiology and Cardiovascular Institute, Loyola University
Chicago, Stritch School of Medicine, Maywood, Ill 60153, USA.
NC HL-30077 (NHLBI)
HL-64098 (NHLBI)
HL61503 (NHLBI)
SO Circulation research, (2002 Feb 22) 90 (3) 309-16.
Journal code: 0047103. ISSN: 1524-4571.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200202
ED Entered STN: 20020227
Last Updated on STN: 20020228

Entered Medline: 20020227

L5 ANSWER 39 OF 65 MEDLINE on STN
AN 2002079340 MEDLINE
DN PubMed ID: 11807805
TI Involvement of the cardiac **ryanodine receptor**/calcium
release channel in catecholaminergic polymorphic ventricular tachycardia.
AU Marks Andrew R; Priori Silvia; Memmi Mirella; Kontula Kimmo; Laitinen
Paivi J
CS Center for Molecular Cardiology, Department of Pharmacology, Box 65,
Columbia University College of Physicians and Surgeons, 630 West 168th
Street, New York, NY 10032, USA.. arm42@columbia.edu
SO Journal of cellular physiology, (2002 Jan) 190 (1) 1-6. Ref: 65
Journal code: 0050222. ISSN: 0021-9541.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA English
FS Priority Journals
EM 200201
ED Entered STN: 20020128
Last Updated on STN: 20020201
Entered Medline: 20020131

L5 ANSWER 40 OF 65 MEDLINE on STN
AN 2002078459 MEDLINE
DN PubMed ID: 11804976
TI Progression of heart failure: is **protein kinase**
a hyperphosphorylation of the **ryanodine receptor**
a contributing factor?.
AU Marks Andrew R; Reiken Steven; Marx Steven O
CS Center for Molecular Cardiology, Department of Pharmacology, Columbia
University College of Physicians and Surgeons, New York, NY, USA..
arm42@columbia.edu
SO Circulation, (2002 Jan 22) 105 (3) 272-5.
Journal code: 0147763. ISSN: 1524-4539.
CY United States
DT Editorial
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 200202
ED Entered STN: 20020128
Last Updated on STN: 20020206
Entered Medline: 20020205

L5 ANSWER 41 OF 65 MEDLINE on STN
AN 2002054081 MEDLINE
DN PubMed ID: 11694504
TI **Phosphorylation** of inositol 1,4,5-trisphosphate receptors in
parotid acinar cells. A mechanism for the synergistic effects of cAMP on
Ca2+ signaling.
AU Bruce Jason I E; Shuttleworth Trevor J; Giovannucci David R; Yule David I
CS Department of Pharmacology & Physiology, School of Medicine and Dentistry,
University of Rochester Medical Center, Rochester, New York 14642, USA..
jason_bruce@urmc.rochester.edu
NC DEO 13539 (NIDCR)
DK54568 (NIDDK)
GM 40457 (NIGMS)
SO Journal of biological chemistry, (2002 Jan 11) 277 (2) 1340-8. Electronic
Publication: 2001-11-01.
Journal code: 2985121R. ISSN: 0021-9258.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200202
ED Entered STN: 20020125

Last Updated on STN: 20030105
Entered Medline: 20020207

L5 ANSWER 42 OF 65 MEDLINE on STN
AN 2001687905 MEDLINE
DN PubMed ID: 11733405
TI beta-adrenergic receptor blockers restore cardiac calcium release channel
(**ryanodine receptor**) structure and function in heart
failure.
AU Reiken S; Gaburjakova M; Gaburjakova J; He Kl K L; Prieto A; Becker E; Yi
Gh G H; Wang J; Burkhoff D; Marks A R
CS Center for Molecular Cardiology, Department of Pharmacology, Circulatory
Physiology Division, Department of Medicine, Columbia University College
of Physicians and Surgeons, New York, NY, USA.
SO Circulation, (2001 Dec 4) 104 (23) 2843-8.
Journal code: 0147763. ISSN: 1524-4539.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 200201
ED Entered STN: 20011206
Last Updated on STN: 20020125
Entered Medline: 20020111

L5 ANSWER 43 OF 65 MEDLINE on STN
AN 2001671271 MEDLINE
DN PubMed ID: 11717156
TI Dilated cardiomyopathy and sudden death resulting from constitutive
activation of **protein kinase a**.
CM Comment in: Circ Res. 2001 Nov 23;89(11):938-40. PubMed ID: 11717148
AU Antos C L; Frey N; Marx S O; Reiken S; Gaburjakova M; Richardson J A;
Marks A R; Olson E N
CS Department of Molecular Biology, University of Texas, Southwestern Medical
Center at Dallas, Texas, USA.
SO Circulation research, (2001 Nov 23) 89 (11) 997-1004.
Journal code: 0047103. ISSN: 1524-4571.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200112
ED Entered STN: 20011122
Last Updated on STN: 20020123
Entered Medline: 20011207

L5 ANSWER 44 OF 65 MEDLINE on STN
AN 2001543345 MEDLINE
DN PubMed ID: 11590243
TI mAKAP and the **ryanodine receptor** are part of a
multi-component signaling complex on the cardiomyocyte nuclear envelope.
AU Kapiloff M S; Jackson N; Airhart N
CS Department of Pediatrics, Heart Research Center, Oregon Health Sciences
University, NRC5, 3181 S.W. Sam Jackson Park Road, Portland, OR 97201,
USA.. kapiloff@ohsu.edu
NC K08 HL04229 (NHLBI)
SO Journal of cell science, (2001 Sep) 114 (Pt 17) 3167-76.
Journal code: 0052457. ISSN: 0021-9533.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200112
ED Entered STN: 20011010
Last Updated on STN: 20020124
Entered Medline: 20011231

L5 ANSWER 45 OF 65 MEDLINE on STN

AN 2001478937 MEDLINE
 DN PubMed ID: 11522681
 TI Depressed levels of Ca²⁺-cycling proteins may underlie sarcoplasmic reticulum dysfunction in the diabetic heart.
 AU Netticadan T; Temsah R M; Kent A; Elimban V; Dhalla N S
 CS Institute of Cardiovascular Sciences, St. Boniface General Hospital Research Centre, Winnipeg, Canada.
 SO Diabetes, (2001 Sep) 50 (9) 2133-8.
 Journal code: 0372763. ISSN: 0012-1797.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Abridged Index Medicus Journals; Priority Journals
 EM 200109
 ED Entered STN: 20010828
 Last Updated on STN: 20010924
 Entered Medline: 20010920

L5 ANSWER 46 OF 65 MEDLINE on STN
 AN 2001187255 MEDLINE
 DN PubMed ID: 11273716
 TI **Ryanodine receptors**/calcium release channels in heart failure and sudden cardiac death.
 AU Marks A R
 CS Center for Molecular Cardiology, Department of Pharmacology, Columbia University College of Physicians and Surgeons, New York, NY 10032, USA..
 arm42@columbia.edu
 NC RO1 AI39794 (NIAID)
 RO1 HL56180 (NHLBI)
 RO1 HL61503 (NHLBI)
 RO3 TW00949 (FIC)
 SO Journal of molecular and cellular cardiology, (2001 Apr) 33 (4) 615-24.
 Ref: 90
 Journal code: 0262322. ISSN: 0022-2828.
 CY England: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, TUTORIAL)
 LA English
 FS Priority Journals
 EM 200106
 ED Entered STN: 20010618
 Last Updated on STN: 20010618
 Entered Medline: 20010614

L5 ANSWER 47 OF 65 MEDLINE on STN
 AN 2001092109 MEDLINE
 DN PubMed ID: 11062058
 TI Calcineurin regulates **ryanodine receptor** /Ca(2+)-release channels in rat heart.
 AU Bandyopadhyay A; Shin D W; Ahn J O; Kim D H
 CS Department of Life Science, Kwangju Institute of Science and Technology (K-JIST), 1 Oryong-dong, Puk-gu, Kwangju 500-712, Korea.
 SO Biochemical journal, (2000 Nov 15) 352 Pt 1 61-70.
 Journal code: 2984726R. ISSN: 0264-6021.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200101
 ED Entered STN: 20010322
 Last Updated on STN: 20010322
 Entered Medline: 20010125

L5 ANSWER 48 OF 65 MEDLINE on STN
 AN 2000288976 MEDLINE
 DN PubMed ID: 10830164
 TI **PKA phosphorylation** dissociates **FKBP12**.

6 from the calcium release channel (**ryanodine receptor**): defective regulation in failing hearts.

AU Marx S O; Reiken S; Hisamatsu Y; Jayaraman T; Burkhoff D; Rosemblyt N; Marks A R

CS Center for Molecular Cardiology, Department of Medicine, College of Physicians and Surgeons of Columbia University, New York, New York 10032, USA.

NC RO1 AI39794 (NIAID)
RO1 HL56180 (NHLBI)
RO1 HL61503 (NHLBI)
+

SO Cell, (2000 May 12) 101 (4) 365-76.
Journal code: 0413066. ISSN: 0092-8674.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200006

ED Entered STN: 20000629
Last Updated on STN: 20000629
Entered Medline: 20000616

L5 ANSWER 49 OF 65 MEDLINE on STN

AN 1999119241 MEDLINE

DN PubMed ID: 9922179

TI Binding of the catalytic subunit of protein phosphatase-1 to the ryanodine-sensitive calcium release channel protein.

AU Zhao S; Brandt N R; Caswell A H; Lee E Y

CS Department of Biochemistry and Molecular Biology, University of Miami School of Medicine, Florida 33101, USA.

NC AR43355 (NIAMS)
DK18512 (NIDDK)

SO Biochemistry, (1998 Dec 22) 37 (51) 18102-9.
Journal code: 0370623. ISSN: 0006-2960.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 199902

ED Entered STN: 19990223
Last Updated on STN: 19990223
Entered Medline: 19990211

L5 ANSWER 50 OF 65 MEDLINE on STN

AN 1999085079 MEDLINE

DN PubMed ID: 9864374

TI Functional characteristics of ES cell-derived cardiac precursor cells identified by tissue-specific expression of the green fluorescent protein.

AU Kolossov E; Fleischmann B K; Liu Q; Bloch W; Viatchenko-Karpinski S; Mancke O; Ji G J; Bohlen H; Addicks K; Hescheler J

CS Institute of Neurophysiology, University of Cologne, D-50931 Cologne, Germany.

SO Journal of cell biology, (1998 Dec 28) 143 (7) 2045-56.
Journal code: 0375356. ISSN: 0021-9525.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 199902

ED Entered STN: 19990216
Last Updated on STN: 20000303
Entered Medline: 19990204

L5 ANSWER 51 OF 65 MEDLINE on STN

AN 1998345364 MEDLINE

DN PubMed ID: 9679148

TI A-kinase anchoring protein 100 (AKAP100) is localized in multiple subcellular compartments in the adult rat heart.

AU Yang J; Drazba J A; Ferguson D G; Bond M
 CS Department of Molecular Cardiology, The Lerner Research Institute,
 Cleveland Clinic Foundation, Cleveland, OH 44195, USA.
 NC HL07653 (NHLBI)
 RO1 HL56256 (NHLBI)
 SO Journal of cell biology, (1998 Jul 27) 142 (2) 511-22.
 Journal code: 0375356. ISSN: 0021-9525.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199808
 ED Entered STN: 19980828
 Last Updated on STN: 19980828
 Entered Medline: 19980819

L5 ANSWER 52 OF 65 MEDLINE on STN
 AN 1998263323 MEDLINE
 DN PubMed ID: 9600932
 TI In situ activation of the type 2 **ryanodine receptor** in
 pancreatic beta cells requires cAMP-dependent **phosphorylation**.
 AU Islam M S; Leibiger I; Leibiger B; Rossi D; Sorrentino V; Ekstrom T J;
 Westerblad H; Andrade F H; Berggren P O
 CS The Rolf Luft Center for Diabetes Research, Department of Molecular
 Medicine, Karolinska Institute, S-171 76 Stockholm, Sweden.
 SO Proceedings of the National Academy of Sciences of the United States of
 America, (1998 May 26) 95 (11) 6145-50.
 Journal code: 7505876. ISSN: 0027-8424.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199806
 ED Entered STN: 19980708
 Last Updated on STN: 19980708
 Entered Medline: 19980622

L5 ANSWER 53 OF 65 MEDLINE on STN
 AN 97460132 MEDLINE
 DN PubMed ID: 9312152
 TI Modulation of cardiac **ryanodine receptors** by sorcin.
 AU Lokuta A J; Meyers M B; Sander P R; Fishman G I; Valdivia H H
 CS Department of Physiology, University of Wisconsin Medical School, Madison,
 Wisconsin 53706, USA.
 NC HL55438 (NHLBI)
 SO Journal of biological chemistry, (1997 Oct 3) 272 (40) 25333-8.
 Journal code: 2985121R. ISSN: 0021-9258.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199710
 ED Entered STN: 19971105
 Last Updated on STN: 19980206
 Entered Medline: 19971022

L5 ANSWER 54 OF 65 MEDLINE on STN
 AN 97361233 MEDLINE
 DN PubMed ID: 9218127
 TI Signal transduction in gastrointestinal smooth muscle.
 AU Makhoulouf G M; Murthy K S
 CS Department of Medicine and Physiology, Medical College of Virginia,
 Richmond 23298-0711, USA.
 NC DK15564 (NIDDK)
 DK28300 (NIDDK)
 SO Cellular signalling, (1997 May-Jun) 9 (3-4) 269-76. Ref: 92
 Journal code: 8904683. ISSN: 0898-6568.
 CY ENGLAND: United Kingdom

DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, TUTORIAL)
 LA English
 FS Priority Journals
 EM 199709
 ED Entered STN: 19970916
 Last Updated on STN: 20000303
 Entered Medline: 19970903

L5 ANSWER 55 OF 65 MEDLINE on STN
 AN 97303862 MEDLINE
 DN PubMed ID: 9160164
 TI Gating of the skeletal calcium release channel by ATP is inhibited by
 protein phosphatase 1 but not by Mg²⁺.
 AU Sonnleitner A; Fleischer S; Schindler H
 CS Institute for Biophysics, University of Linz, Austria.
 NC HL 32711 (NHLBI)
 SO Cell calcium, (1997 Apr) 21 (4) 283-90.
 Journal code: 8006226. ISSN: 0143-4160.
 CY SCOTLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199707
 ED Entered STN: 19970812
 Last Updated on STN: 19980206
 Entered Medline: 19970729

L5 ANSWER 56 OF 65 MEDLINE on STN
 AN 97192235 MEDLINE
 DN PubMed ID: 9040054
 TI Ontogeny of sarcoplasmic reticulum protein **phosphorylation** by
 Ca²⁺--calmodulin-dependent protein kinase.
 AU Xu A; Hawkins C; Narayanan N
 CS Department of Physiology, University of Western Ontario, London, Canada.
 SO Journal of molecular and cellular cardiology, (1997 Jan) 29 (1) 405-18.
 Journal code: 0262322. ISSN: 0022-2828.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199705
 ED Entered STN: 19970609
 Last Updated on STN: 19980206
 Entered Medline: 19970527

L5 ANSWER 57 OF 65 MEDLINE on STN
 AN 97006132 MEDLINE
 DN PubMed ID: 8853426
 TI Regulation of extracellular calcium sensing in rat osteoclasts by
 femtomolar calcitonin concentrations.
 AU Zaidi M; Shankar V S; Adebajo O A; Lai F A; Pazianas M; Sunavala G;
 Spielman A I; Rifkin B R
 CS Department of Internal Medicine, University of Arkansas for Medical
 Sciences, Little Rock, USA.
 NC R01-DE-09576 (NIDCR)
 R29-DE-10754 (NIDCR)
 SO American journal of physiology, (1996 Sep) 271 (3 Pt 2) F637-44.
 Journal code: 0370511. ISSN: 0002-9513.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199612
 ED Entered STN: 19970128
 Last Updated on STN: 20000303
 Entered Medline: 19961205

L5 ANSWER 58 OF 65 MEDLINE on STN
AN 96301824 MEDLINE
DN PubMed ID: 8732504
TI Biochemical regulation of sarcoplasmic reticulum Cl⁻ channel from human atrial myocytes: involvement of phospholamban.
AU Decrouy A; Juteau M; Proteau S; Teijiera J; Rousseau E
CS Department of Physiology and Biophysics, Faculty of Medicine, University of Sherbrooke, Quebec, Canada.
SO Journal of molecular and cellular cardiology, (1996 Apr) 28 (4) 767-80.
Journal code: 0262322. ISSN: 0022-2828.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199611
ED Entered STN: 19961219
Last Updated on STN: 19980206
Entered Medline: 19961112

L5 ANSWER 59 OF 65 MEDLINE on STN
AN 96106565 MEDLINE
DN PubMed ID: 8529260
TI **Phosphorylation** with protein kinases modulates calcium loading of terminal cisternae of sarcoplasmic reticulum from skeletal muscle.
AU Mayrleitner M; Chandler R; Schindler H; Fleischer S
CS Department of Molecular Biology, Vanderbilt University, Nashville, Tennessee, USA.
NC HL 32711 (NHLBI)
HL46681 (NHLBI)
SO Cell calcium, (1995 Sep) 18 (3) 197-206.
Journal code: 8006226. ISSN: 0143-4160.
CY SCOTLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals; Space Life Sciences
EM 199601
ED Entered STN: 19960220
Last Updated on STN: 19980206
Entered Medline: 19960129

L5 ANSWER 60 OF 65 MEDLINE on STN
AN 96066663 MEDLINE
DN PubMed ID: 7578101
TI Binding sites of monoclonal antibodies and dihydropyridine receptor alpha 1 subunit cytoplasmic II-III loop on skeletal muscle triadin fusion peptides.
AU Fan H; Brandt N R; Peng M; Schwartz A; Caswell A H
CS Department of Molecular and Cellular Pharmacology, University of Miami School of Medicine, Florida 33136, USA.
NC 5R37HI43231-05 (NHLBI)
P01HL22619 (NHLBI)
SO Biochemistry, (1995 Nov 14) 34 (45) 14893-901.
Journal code: 0370623. ISSN: 0006-2960.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199512
ED Entered STN: 19960124
Last Updated on STN: 20000303
Entered Medline: 19951218

L5 ANSWER 61 OF 65 MEDLINE on STN
AN 95215845 MEDLINE
DN PubMed ID: 7701323
TI Rapid adaptation of cardiac **ryanodine receptors**: modulation by Mg²⁺ and **phosphorylation**.

AU Valdivia H H; Kaplan J H; Ellis-Davies G C; Lederer W J
CS Department of Physiology, University of Maryland Medical School, Baltimore
21201, USA.
NC HL25675 (NHLBI)
HL30315 (NHLBI)
HL36974 (NHLBI)
+
SO Science, (1995 Mar 31) 267 (5206) 1997-2000.
Journal code: 0404511. ISSN: 0036-8075.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals; Space Life Sciences
EM 199504
ED Entered STN: 19950510
Last Updated on STN: 19980206
Entered Medline: 19950428

L5 ANSWER 62 OF 65 MEDLINE on STN
AN 95161597 MEDLINE
DN PubMed ID: 7858121
TI **Phosphorylation** modulates the function of the calcium release
channel of sarcoplasmic reticulum from skeletal muscle.
AU Hain J; Nath S; Mayrleitner M; Fleischer S; Schindler H
CS Institute for Biophysics, University of Linz, Austria.
NC HL32711 (NHLBI)
SO Biophysical journal, (1994 Nov) 67 (5) 1823-33.
Journal code: 0370626. ISSN: 0006-3495.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199503
ED Entered STN: 19950404
Last Updated on STN: 19980206
Entered Medline: 19950322

L5 ANSWER 63 OF 65 MEDLINE on STN
AN 95138169 MEDLINE
DN PubMed ID: 7836435
TI **Phosphorylation** modulates the function of the calcium release
channel of sarcoplasmic reticulum from cardiac muscle.
AU Hain J; Onoue H; Mayrleitner M; Fleischer S; Schindler H
CS Institute for Biophysics, University of Linz, Austria.
NC HL 46681 (NHLBI)
HL32711 (NHLBI)
SO Journal of biological chemistry, (1995 Feb 3) 270 (5) 2074-81.
Journal code: 2985121R. ISSN: 0021-9258.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199503
ED Entered STN: 19950314
Last Updated on STN: 19970203
Entered Medline: 19950302

L5 ANSWER 64 OF 65 MEDLINE on STN
AN 92234981 MEDLINE
DN PubMed ID: 1349013
TI **Phosphorylation of ryanodine receptors** in
rat myocytes during beta-adrenergic stimulation.
AU Yoshida A; Takahashi M; Imagawa T; Shigekawa M; Takisawa H; Nakamura T
CS Department of Biology, Faculty of Science, Osaka University.
SO Journal of biochemistry, (1992 Feb) 111 (2) 186-90.
Journal code: 0376600. ISSN: 0021-924X.
CY Japan
DT Journal; Article; (JOURNAL ARTICLE)

LA English
 FS Priority Journals
 EM 199205
 ED Entered STN: 19920612
 Last Updated on STN: 19980206
 Entered Medline: 19920527

LS ANSWER 65 OF 65 MEDLINE on STN
 AN 91201274 MEDLINE
 DN PubMed ID: 1849885
 TI Regulation of the cardiac **ryanodine receptor** by
 protein kinase-dependent **phosphorylation**.
 AU Takasago T; Imagawa T; Furukawa K; Ogurusu T; Shigekawa M
 CS Department of Molecular Physiology, National Cardiovascular Center
 Research Institute, Osaka.
 SO Journal of biochemistry, (1991 Jan) 109 (1) 163-70.
 Journal code: 0376600. ISSN: 0021-924X.
 CY Japan
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199105
 ED Entered STN: 19910607
 Last Updated on STN: 19980206
 Entered Medline: 19910523